

REPLACEMENT SHEET

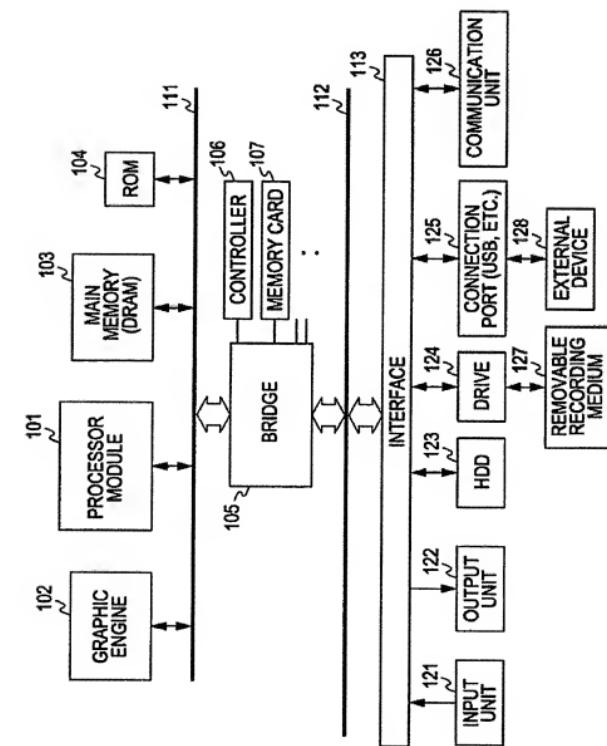
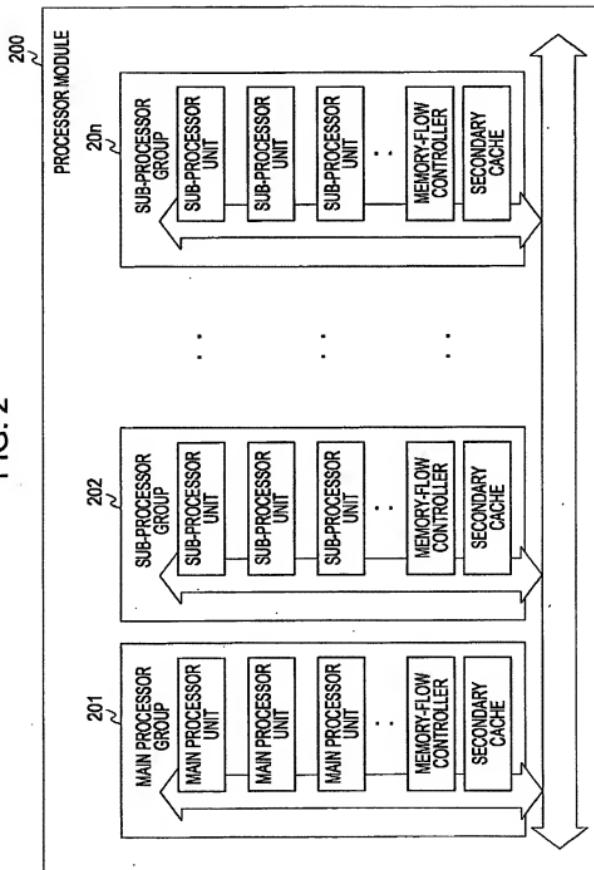


FIG. 1
Prior Art

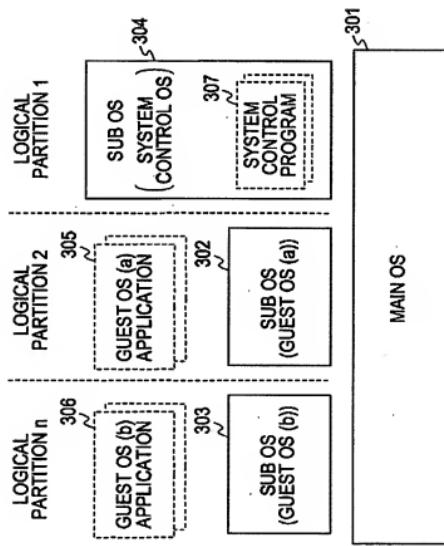
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FIG. 2



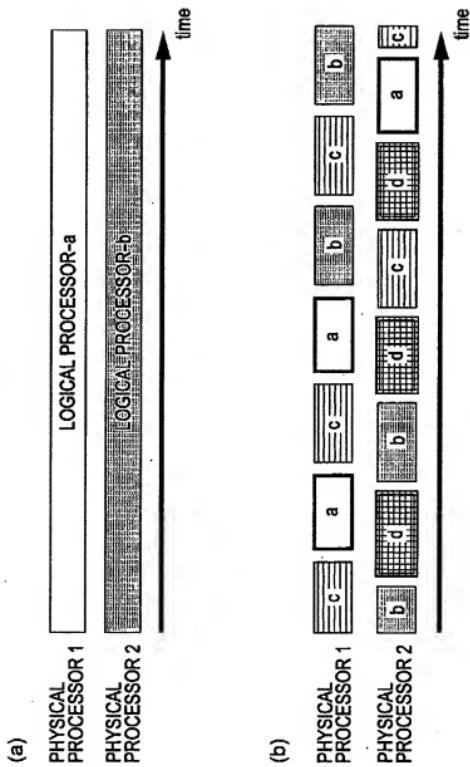
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FIG. 3



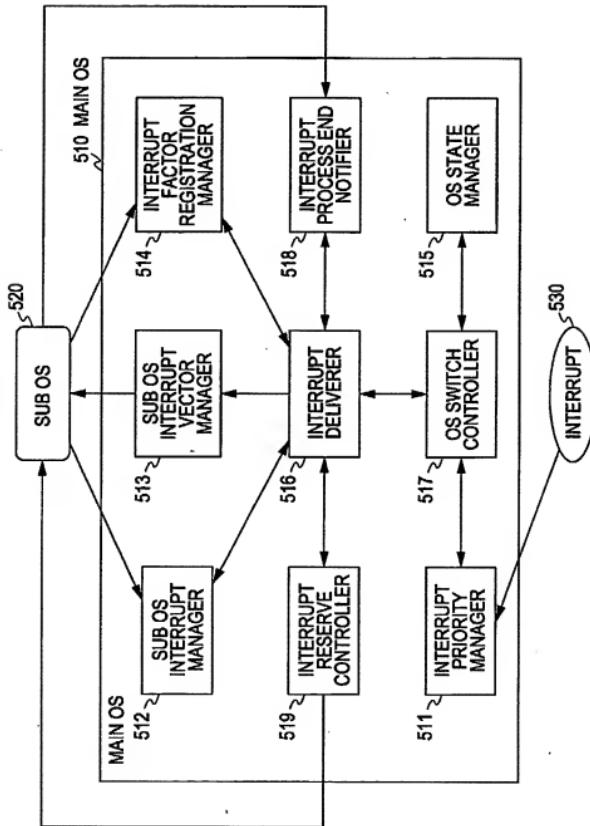
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FIG. 4



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FIG. 5



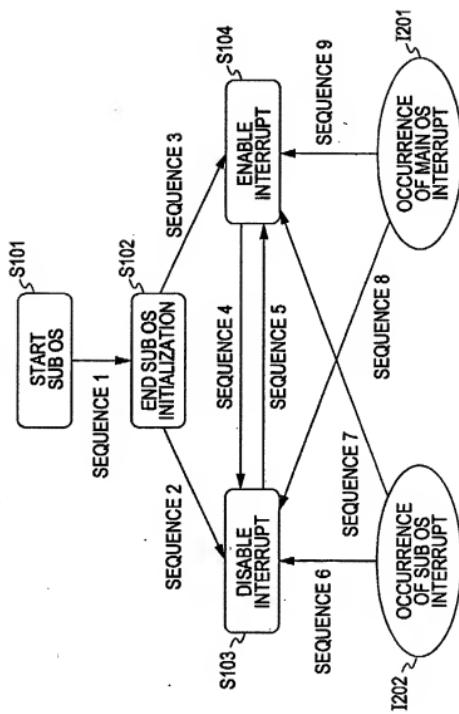
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FIG. 6

OS TYPE	INTERRUPT ENABLED STATE OR INTERRUPT DISABLED STATE	RESERVE INTERRUPT	PROCESS INTERRUPT
MAIN OS	DISABLED	-	-
SUB OS-1	ENABLED	-	INTERRUPT e
SUB OS-2	DISABLED	INTERRUPT a INTERRUPT b	-
.	.	.	.
SUB OS-n	DISABLED	INTERRUPT c INTERRUPT d	-

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FIG. 7



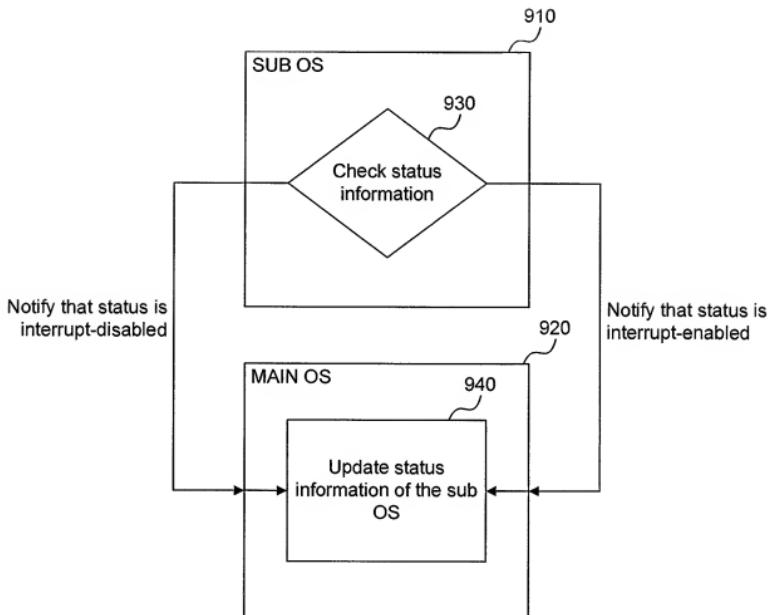
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FIG. 8

SCENARIO	OS IN OPERATION	INTERRUPT PRIORITY	INTERRUPT DESTINATION OS	STATE OF INTERRUPT DESTINATION OS
SCENARIO 01	SUB OS	LOW	MAIN OS	INTERRUPT ENABLED
SCENARIO 02	SUB OS	LOW	MAIN OS	INTERRUPT DISABLED
SCENARIO 03	SUB OS	LOW	SUB OS	INTERRUPT ENABLED
SCENARIO 04	SUB OS	LOW	SUB OS	INTERRUPT DISABLED
SCENARIO 05	SUB OS	HIGH	MAIN OS	INTERRUPT ENABLED
SCENARIO 06	SUB OS	HIGH	MAIN OS	INTERRUPT DISABLED
SCENARIO 07	SUB OS	HIGH	SUB OS	INTERRUPT ENABLED
SCENARIO 08	SUB OS	HIGH	SUB OS	INTERRUPT DISABLED
SCENARIO 09	MAIN OS	LOW	MAIN OS	INTERRUPT ENABLED
SCENARIO 10	MAIN OS	LOW	MAIN OS	INTERRUPT DISABLED
SCENARIO 11	MAIN OS	LOW	SUB OS	INTERRUPT ENABLED
SCENARIO 12	MAIN OS	LOW	SUB OS	INTERRUPT DISABLED
SCENARIO 13	MAIN OS	HIGH	MAIN OS	INTERRUPT ENABLED
SCENARIO 14	MAIN OS	HIGH	MAIN OS	INTERRUPT DISABLED
SCENARIO 15	MAIN OS	HIGH	SUB OS	INTERRUPT ENABLED
SCENARIO 16	MAIN OS	HIGH	SUB OS	INTERRUPT DISABLED

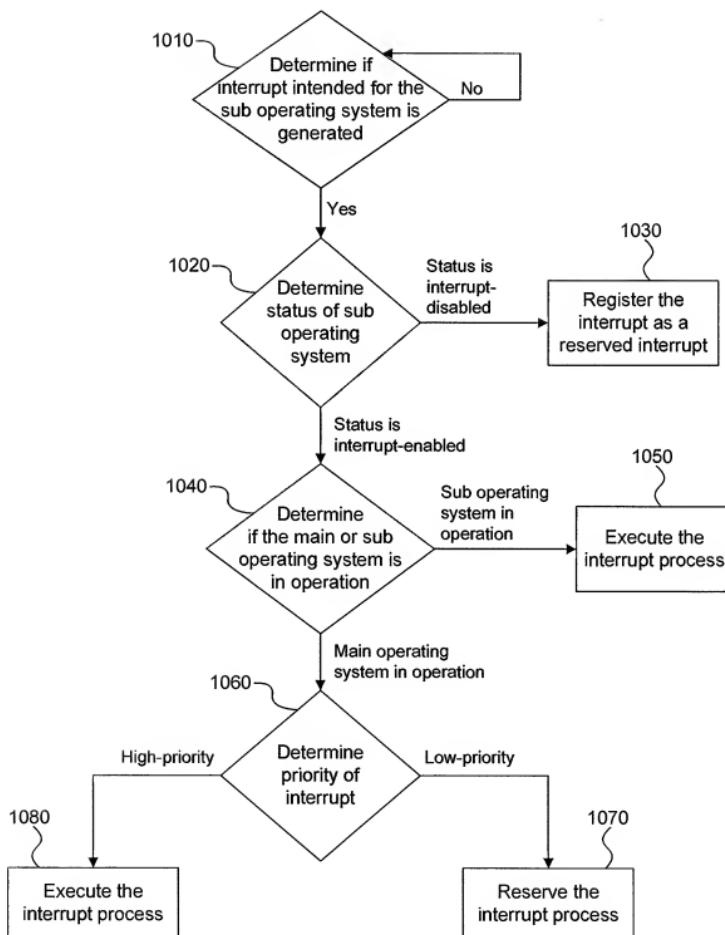
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FIG. 9



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FIG. 10



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FIG. 11

